

# Cambium C050910C801A ePMP 5 GHz Force 300-25 High Gain Radio (ROW) (ANZ cord)

SKU: WIF-CB-00087

MPN: C050910C801A

## Description

Cambium's ePMP Force 300 are a third generation multipoint subscriber radio designed as an economical solution for point-to-multipoint applications.

Combining the latest 802.11ac Wave 2 chipset and the field proven TDD MAC of ePMP, the Force 300-25 offers an affordable point to point product and a long range subscriber module for the ePMP 3000 and ePMP 3000L Access Points.

Force 300-25 provides moderate to long range connectivity with its 25 dBi integrated 470 mm diameter dish antenna. With its narrow beamwidth this model is the ideal choice for operation in noisy urban environments.

Supporting modulation up to 256QAM in 2x2 MIMO the subscriber is capable of peak throughput up to 600 Mb/s.

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Force 300 radios are designed to connect to ePMP 3000 series wireless access points. The subscriber's high gain 25 dBi dish antenna permits high data speeds within 10 kilometres and basic connectivity significantly further. Actual achieved data rates will of course depend on channel conditions and environment.

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**Cambium  
Networks**

## Cambium Networks

Cambium Networks enables service providers; enterprises; governmental and military agencies; oil, gas and utility companies; Internet service providers; and public safety organizations to build powerful communications networks, reach users from 200 kilometers across mountain tops down to their devices, and intelligently manage their business Wi-Fi infrastructure through end-to-end network ...

# Network Interfaces

## Wireless Interfaces

Topology:		Multipoint Terminal/Subscriber,		Max. Clients:	1		
		Point-to-Point (P2P)		Aggregate Channel Width:	80 MHz		
Max. Throughput:		600 Mb/s					
Encryption:		AES-128					
Transmit Power:		27 dBm		Receive Sensitivity:		-87 dBm	
Agg. Data Rate:		600 Mb/s		Agg. Channel Width:		80 MHz	
Wireless Bands	Path Mode	Start Frequency	Stop Frequency	MIMO	Channel Width	Modulation	Max. Data Rate
5 GHz	TDD	4910 MHz	5970 MHz	2x2 MIMO	80 MHz	256QAM	600 Mb/s

## Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
RJ45 Copper	1	Data & PoE	100BASE-T, 1000BASE-T	Cambium 30 Vdc

# Antenna Specifications

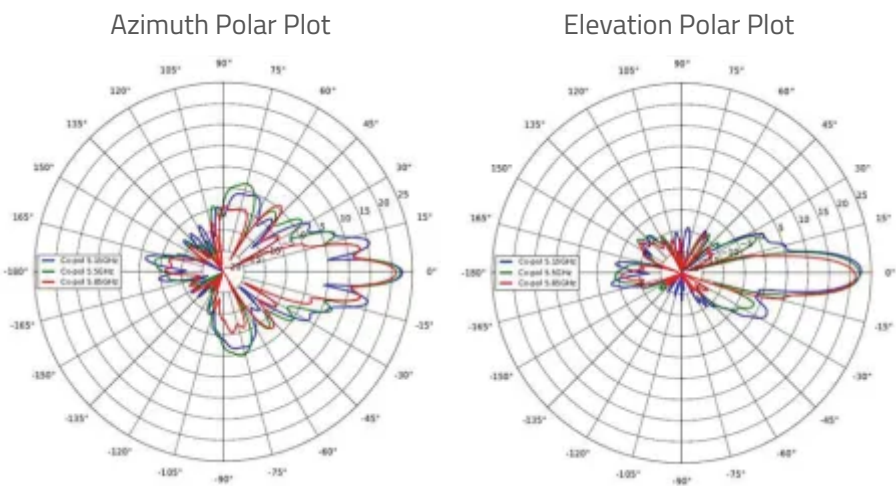
Start Frequency:	4910 MHz	Polarisation:	Dual Pol (V, H)
Stop Frequency:	5970 MHz	Input Impedance:	50

## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Azimuth	Elevation	F/B Ratio	XPD
4910 MHz	5970 MHz	25 dBi	10°	10°	> 25 dB	> 20 dB

# Polar Patterns

Start Frequency: 5150 MHz  
Stop Frequency: 5850 MHz



# Physical Specification

Subtype:	Wireless Bridge	Dimensions:	310 × 470 × 470 mm
Min. Operating Temperature:	-30 °C	Weight:	2.4 kg
Max. Operating Temperature:	60 °C	Materials:	Aluminium
Ingress Protection:	IP55	Compliance/Certifications:	R-NZ ,
		RCM	

# Power Specifications

Power Options:	Power over Ethernet	Typical Consumption:	12 W
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